

Figure 1

Effect of selected oligosaccharides on HIV-1 T-tropic strain replication in MT-2 cells as evidenced by syncytia formation and Ag p24 release (insert). B=globotriose; C=lactose.

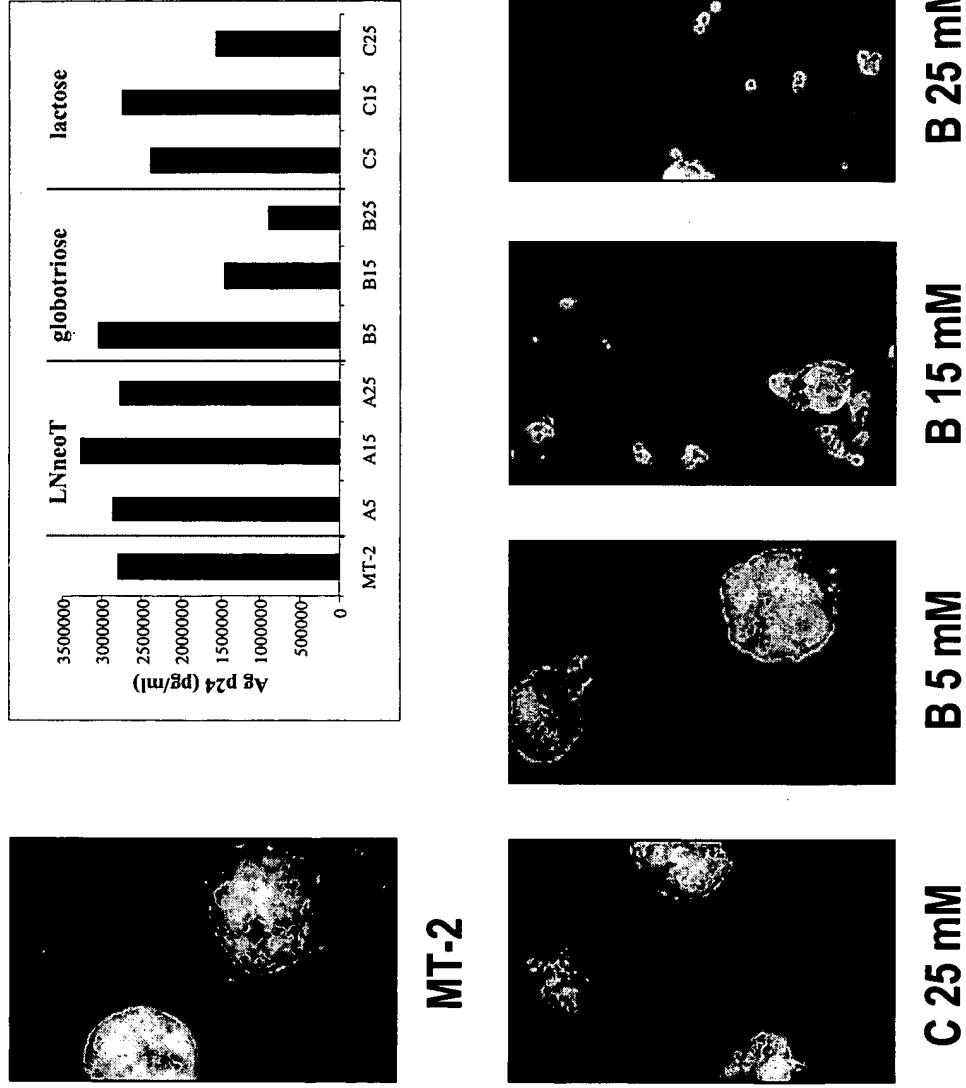




Figure 2

Effect of selected oligosaccharides on HIV-1 replication in MT-2 cell line at days 3 through 12 post-infection. A=lacto-N-tetraose; B=globotriose; C=lactose.

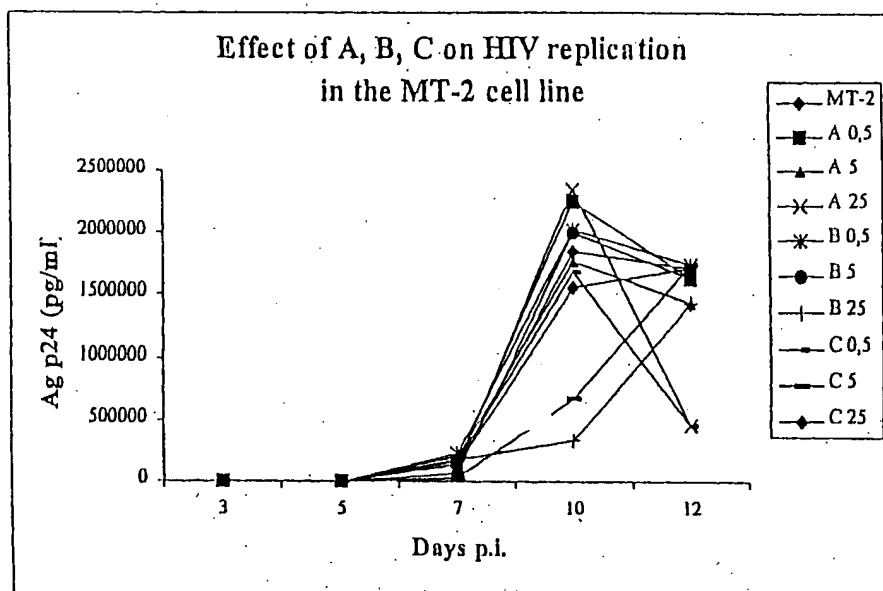
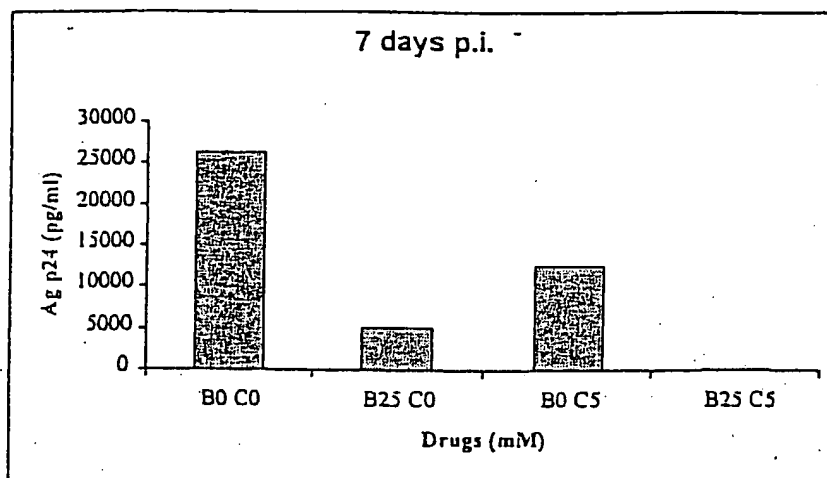




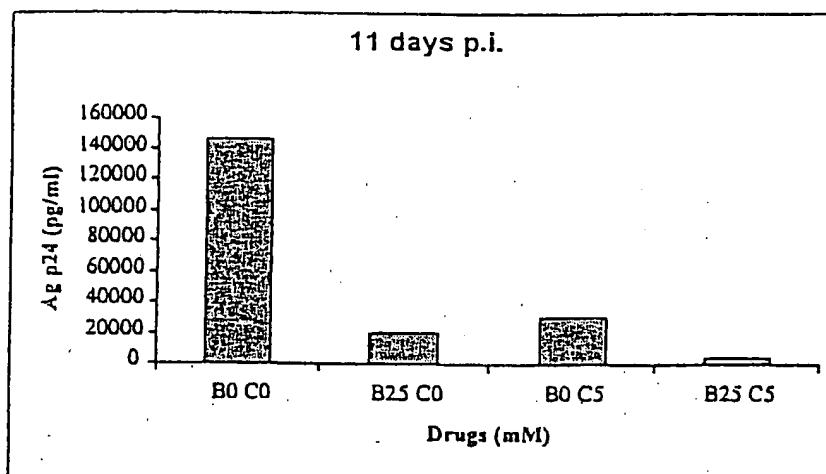
Figure 3

Synergistic effect of globotriose (B) and lactose (C) on HIV-1 replication in MT-2 cell line. Numbers after the initials represent concentration in mM.

A



B



C

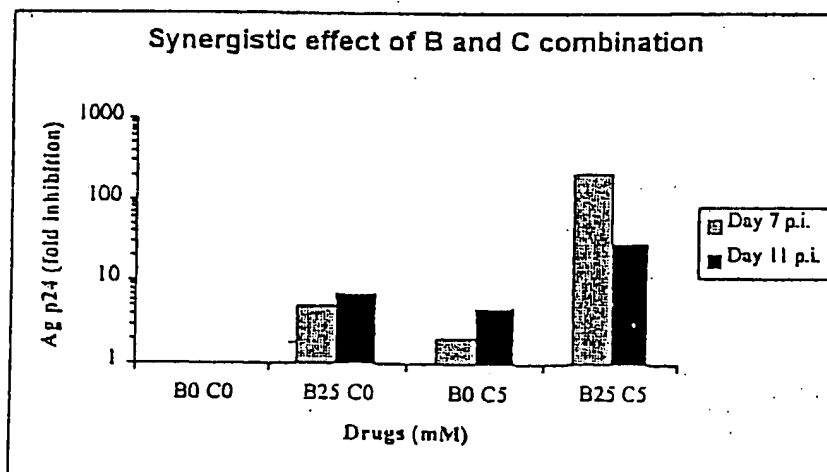
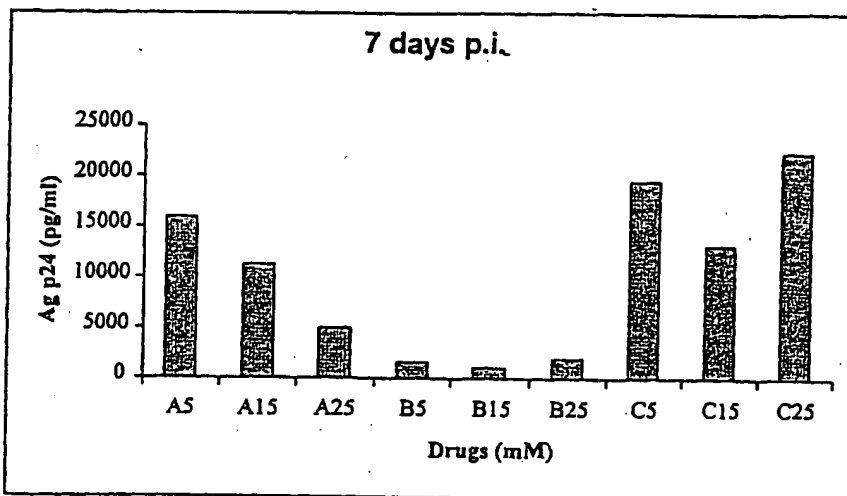




Figure 4

Effect of selected oligosaccharides on the replication of clinical isolate 1936 in MT-2 cells. A= lactose-N-tetraose; B= globotrisose; C= lactose. Numbers after the initials represent concentration in mM.

A



B

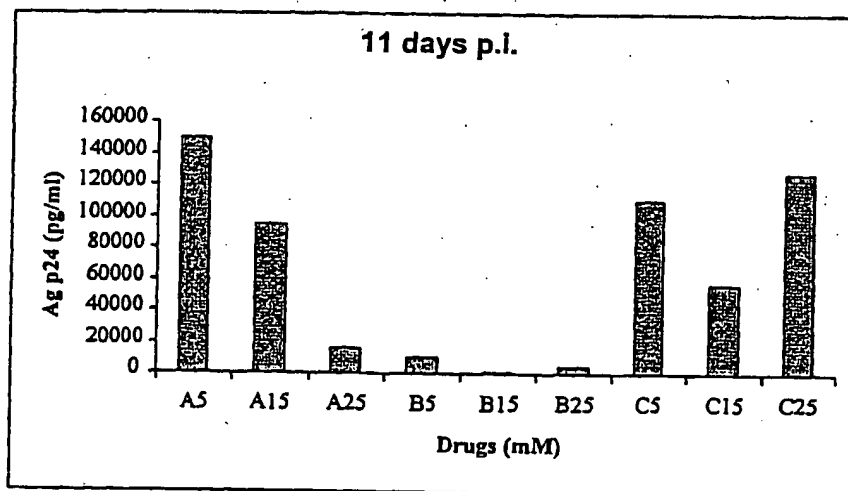




Figure 5

Effect of selected oligosaccharides on the replication of clinical isolate ME46 in MT-2 cells. B= globotriose; C= lactose. Numbers after the initials represent concentration in mM.

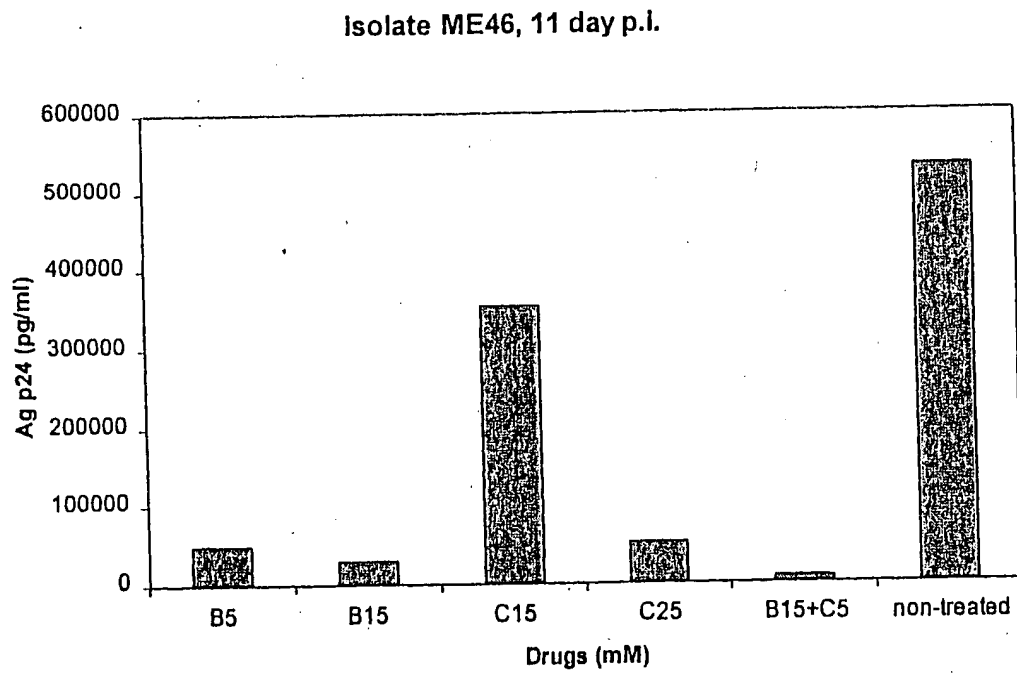




Figure 6

Effect of selected oligosaccharides on the replication of clinical isolate CBL23 (HIV-2) in MT-2 cells. B= globotriose; C= lactose. Numbers after the initials represent concentration in mM.

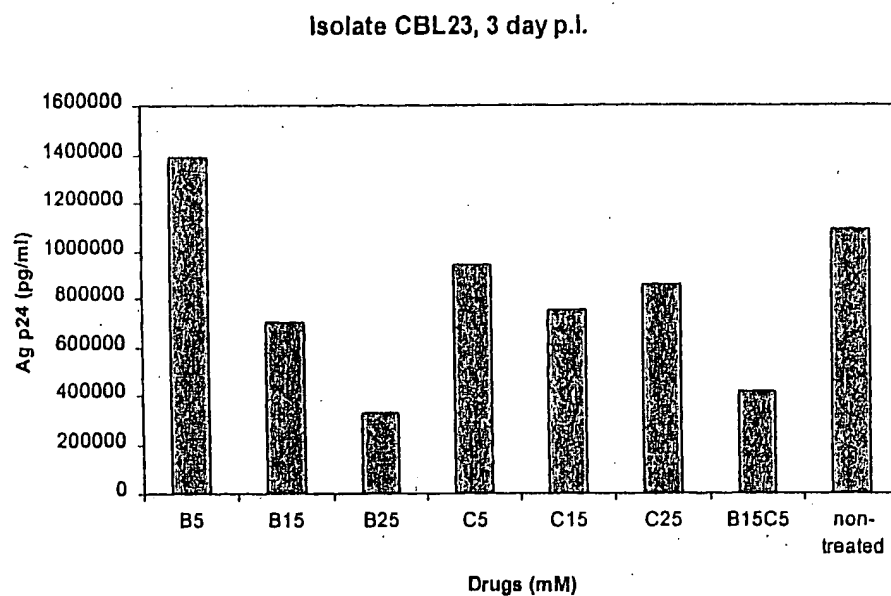
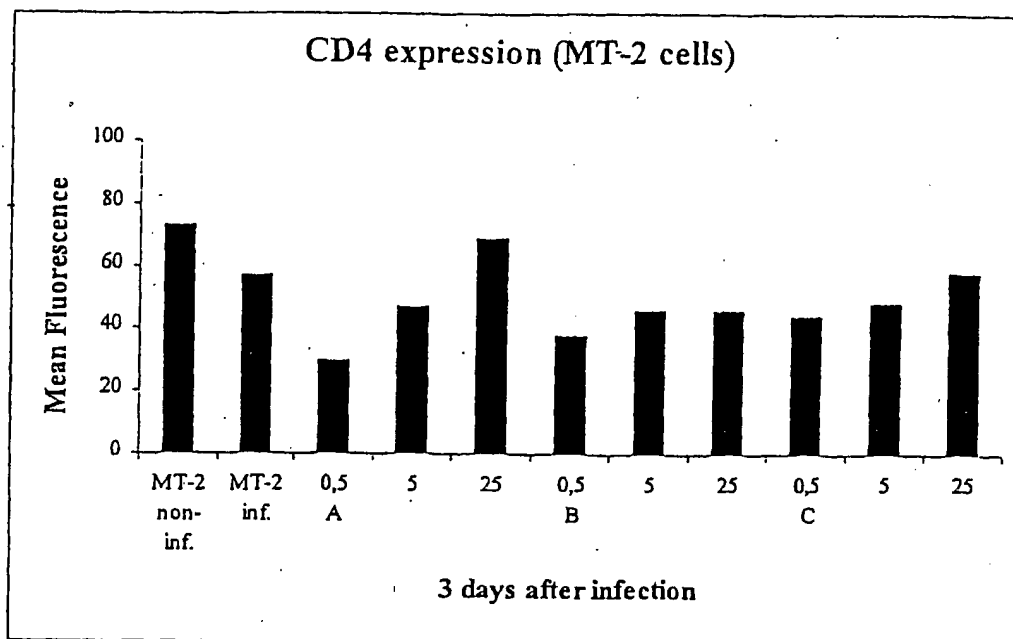




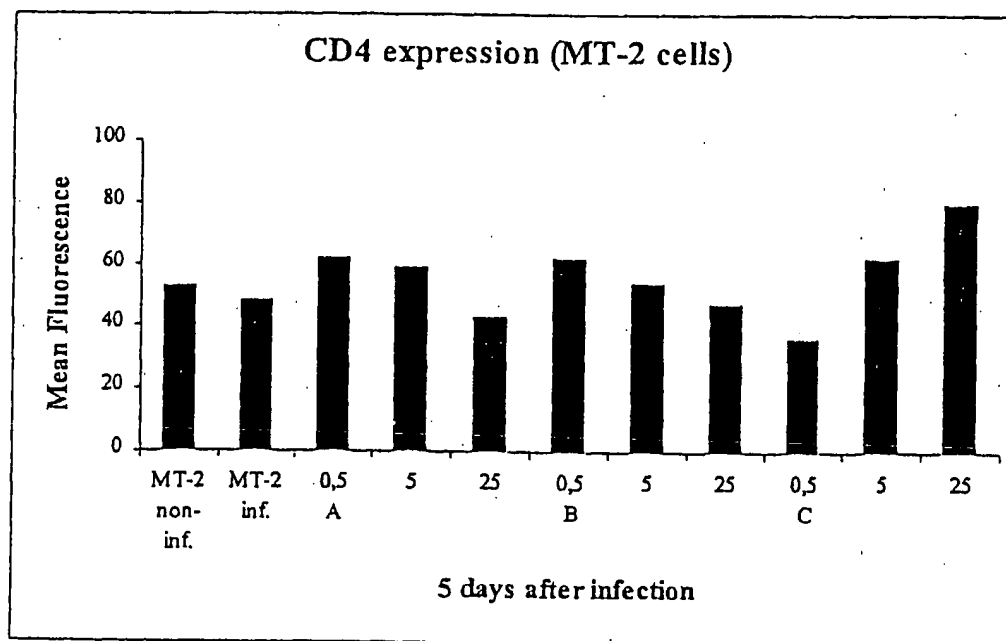
Figure 7

Effect of selected oligosaccharides on CD4 expression in MT-2 cells, 3 and 5 days post-infection with isolate NL4.3. A= lacto-N-tetraose; B= globotriose; C= lactose. Numbers after the initials represent concentration

A



B



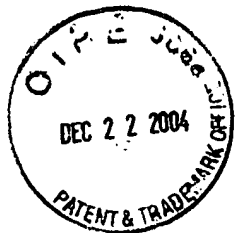


Figure 8

Effect of selected oligosaccharides on the replication of HIV-1 M-tropic strain Ba-L in MT-2 cells. A= lacto-N-tetraose; B= globotriose; C=lactose. Numbers after the initials represent concentration in mM.

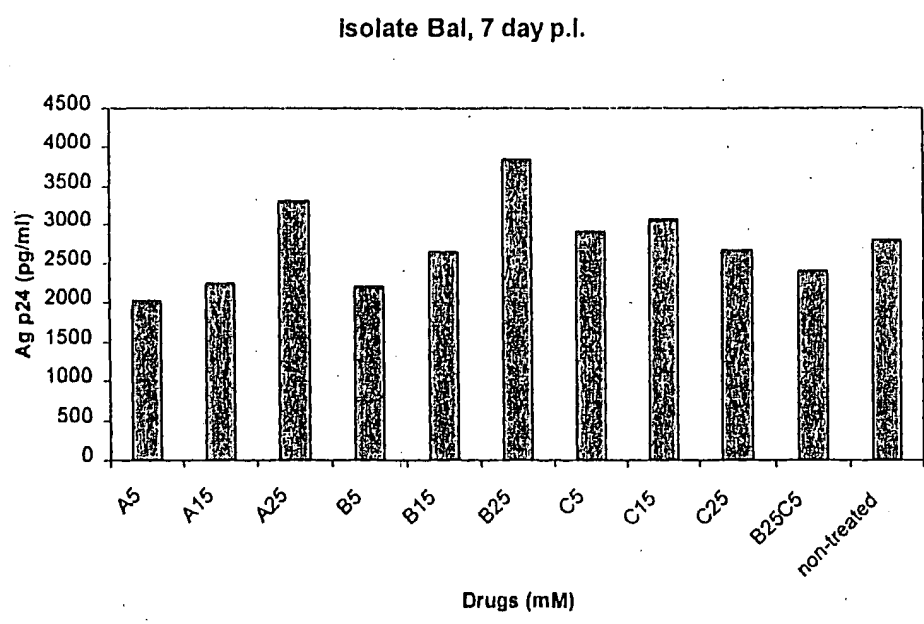




Figure 9

Effect of selected oligosaccharides on the entrance of HIV-1 isolate pNL4.3luc in MT-2 cells. Upper panel: pNL4.3luc virus pseudotyped with T-tropic envelope of HXB2 (HIV). Lower panel: pNL4.3luc virus pseudotyped with protein G of vesicular stomatitis virus (VSV). B= globotriose; C= lactose. Numbers after the initials represent concentration in mM.

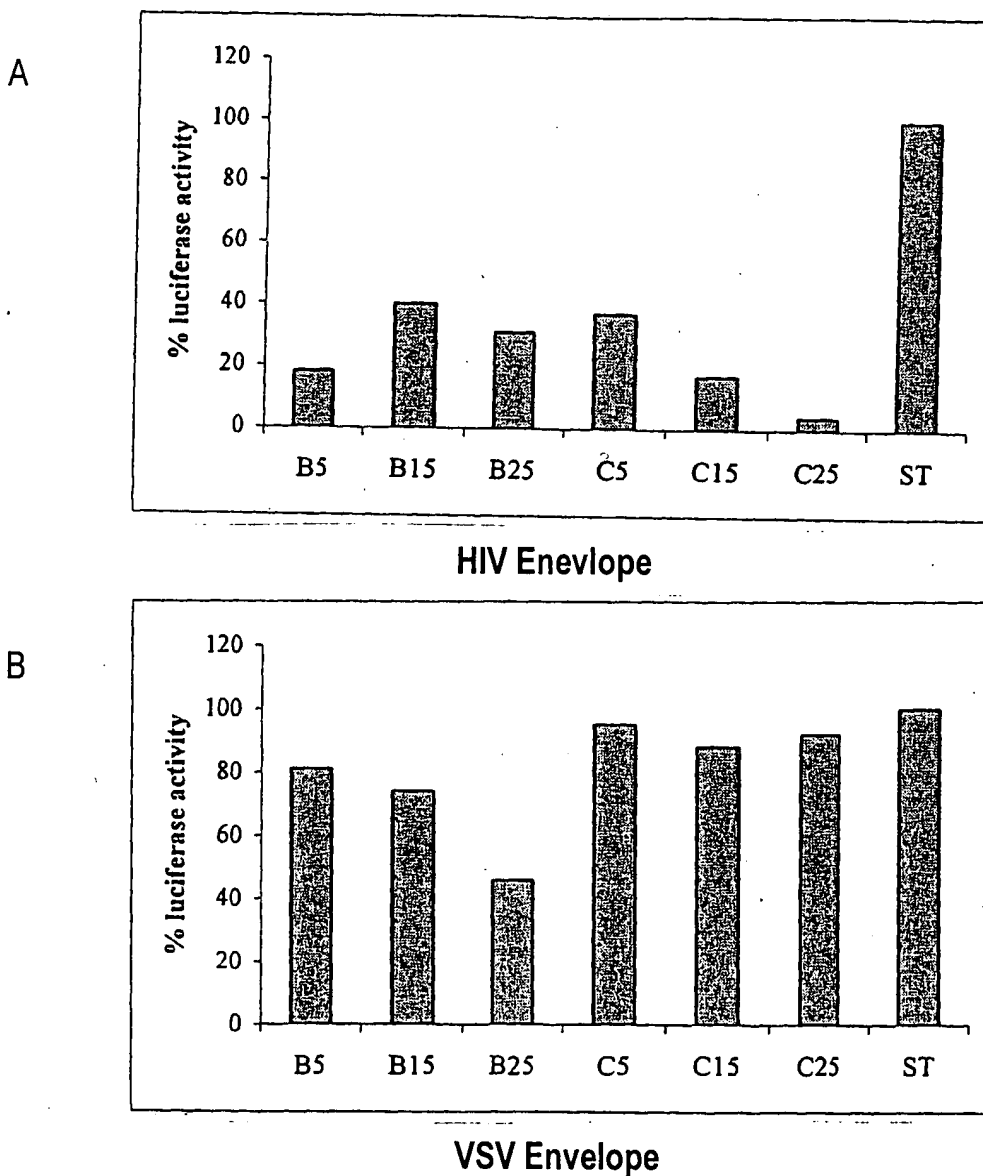




Figure 10

Inhibition of HIV replication in SCID-hu-PBL mice in the presence of selected oligosaccharides. B= globotriose; C= lactose; ST= untreated.

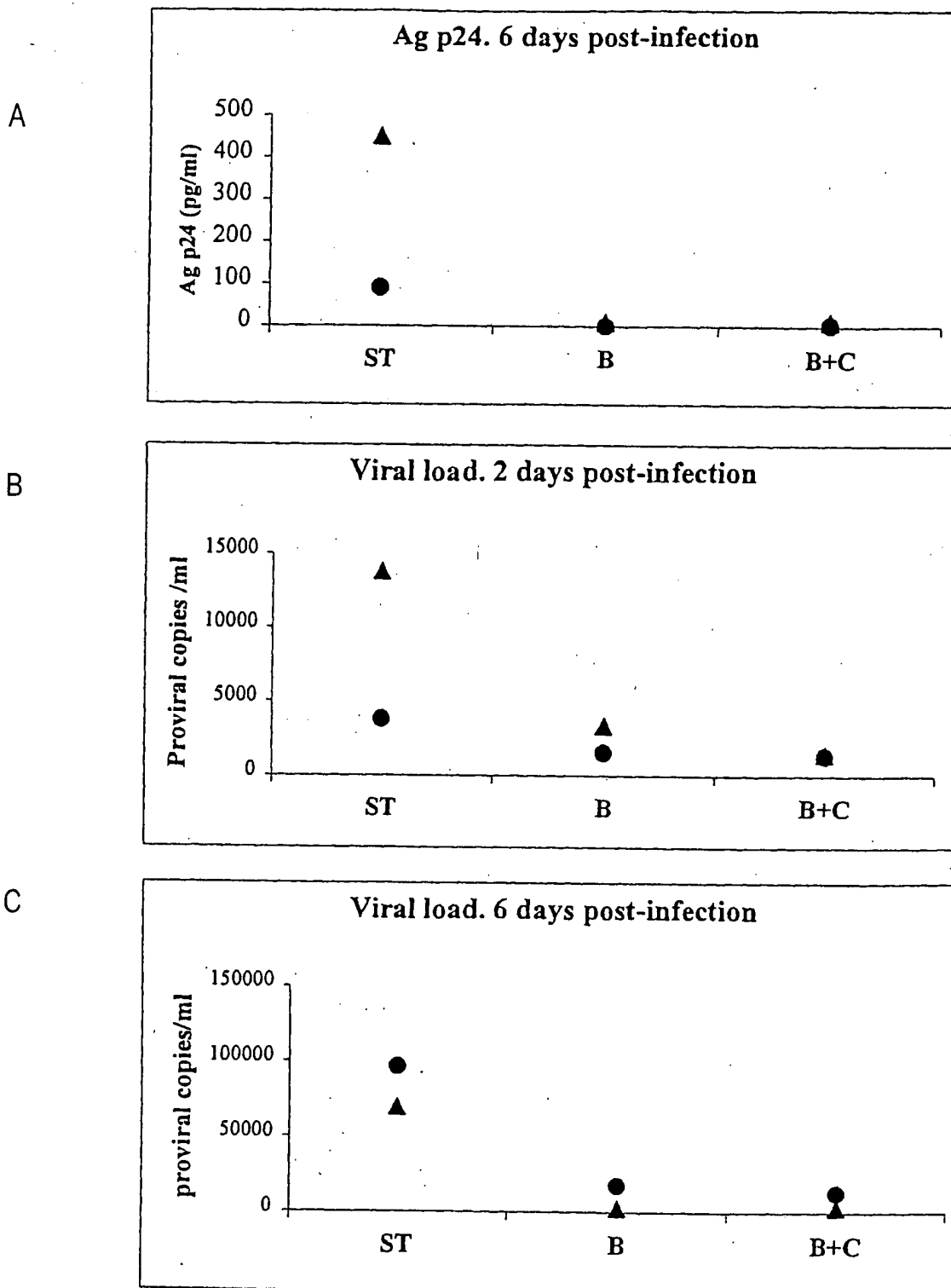




Figure 11

Inhibition of HIV replication in SCID-hu-PBL mice in the presence of globotriose *in vivo*.

